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Atty Dkt. No.: BIOT-005CON  
USSN: 10/684,151LISTING OF THE CLAIMS

None of the claims have been amended. However, for the Examiner's convenience, a complete listing of the claims with their current status is presented hereinbelow.

1-30. (Cancelled)

31. (Previously Presented) A method of administering a physiologically acceptable aqueous solution to a subject in need thereof, said method comprising:

- (a) positioning said subject in a hyperbaric oxygen chamber, and
- (b) administering to said subject a physiologically acceptable aqueous solution comprising:
  - (i) electrolytes,
  - (ii) a dynamic buffering system comprising a carboxylic acid, salt or ester thereof, and
  - (iii) at least a first oncotic agent wherein said oncotic agent is a hydroxyethyl starch or dextran and wherein said solution does not comprise a biological buffer.

32. (Previously Presented) The method of Claim 41, wherein said first and second oncotic agents have different molecular weights.

33. (Previously Presented) The method of Claim 32, wherein said first oncotic agent is a low to medium molecular weight oncotic agent and said second oncotic agent is a high molecular weight oncotic agent.

34. (Previously Presented) The method of Claim 41, wherein said first and second oncotic agents are polysaccharides.

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35. (Previously Presented) The method of Claim 41, wherein said polysaccharides are hydroxyethyl starches.

36. (Previously Presented) The method of Claim 41, wherein said first oncotic agent's clearance rate differs from said second oncotic agent's clearance rate by about 2 fold.

37. (Previously Presented) The method of Claim 41, wherein said first oncotic agent has a clearance rate of 2 to 3 hours and said second oncotic agent has a clearance rate of 6 hours.

38. (Cancelled)

39. (Previously Presented) The method of Claim 41, wherein said carboxylic acid, salt, or ester thereof is selected from the group of: lactate, acetate, gluconate, citrate and pyruvate.

40. (Previously Presented) The method of Claim 41, wherein said dynamic buffering system further comprises bicarbonate.

41. (Previously Presented) The method of Claim 31 further comprising a second oncotic agent wherein said second oncotic agent is a hydroxyethyl starch or dextran and has a clearance rate which is different from said first oncotic agent's clearance rate.

42. (Previously Presented) A method of replacing a subject's circulating blood volume with a physiologically acceptable aqueous solution, said method comprising:

administering to said subject a physiologically acceptable aqueous solution comprising:

(i) electrolytes,

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(ii) a dynamic buffering system comprising a carboxylic acid, salt or ester thereof,

(iii) at least one oncotic agent, wherein said oncotic agent is a hydroxyethyl starch or dextran; wherein said solution does not comprise a biological buffer; and wherein said solution replaces at least a portion of said subject's circulating blood volume.

43. (Previously Presented) The method of Claim 42, wherein said subject is in a pressurized atmosphere of increased oxygen concentration, wherein said oxygen concentration is greater than 20% oxygen.

44. (Previously Presented) The method of Claim 43, wherein said oxygen concentration is 100% oxygen.

45. (Previously Presented) The method of Claim 44, wherein said subject is in a hyperbaric chamber at hyperbaric pressures of about 0.07 to about 2 atmospheres over ambient pressure.

46. (Previously Presented) The method of Claim 42, wherein said subject's body temperature is maintained at a normal temperature.

47. (Previously Presented) The method of Claim 42, wherein said subject's body temperature is chilled to below normal temperature.

48. (Previously Presented) The method of Claim 42, further comprising administering at least one cardioplegic agent, wherein said cardioplegic agent is lidocaine, procaine, or novocaine.

49. (Previously Presented) The method of Claim 42, wherein said solution is augmented by adding an adduct and wherein said adduct is propanediol or

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glucose having a concentration ranging from 50 mM to 60 mM.

50. (Previously Presented) The method of Claim 42, wherein said carboxylic acid, salt, or ester thereof is selected from the group of: lactate, acetate, gluconate, citrate and pyruvate.

51. (Previously Presented) The method of Claim 42, wherein said electrolytes comprises:

- a)  $\text{Na}^+$ ;
- b)  $\text{Cl}^-$ ;
- c)  $\text{Ca}^{++}$ ;
- d)  $\text{K}^+$ ; and
- e)  $\text{Mg}^{++}$ .